

## Nutanix Database Management and Automations

Duration: 2 Days    Course Code: NDMA    Delivery Method: Virtual Learning

### Overview:

This course teaches you the skills needed to install, configure, and operate Nutanix Database Service (NDB).

**Note:** The installation and management of databases themselves is not part of this course.

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### Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

### Target Audience:

- Database administrators who manage Nutanix clusters and want a detailed deep dive into database administration using NDB
- Anyone pursuing the Nutanix Certified Professional - Database Automation (NCP-DB) certification

### Objectives:

- In this course, you will explore a number of subjects including:
  - Adding multiple clusters to NDB, working with Nutanix Guest Tools, and registering a Nutanix cluster with NDB
- The what, how, why, and benefits of database-as-a-service (DBaaS)
- Monitoring and investigating issues with NDB, using alert policies and notifications, and collecting logs
- Important NDB terms and concepts, like copy data management, time machine, provisioning profiles, and data access management
- Operations involved in protecting and restoring databases, including creating snapshots, cloning databases, log catch-up operations, refreshing clones, and restoring source databases
- Implementing role-based access control (RBAC), including working with built-in and custom roles, and managing users and groups

### Prerequisites:

- This advanced course requires you to possess a basic Nutanix system administration skill set which includes:
  - Familiarity with traditional virtualization architectures and Nutanix cloud infrastructure.
  - Hands-on experience with the Prism interface.
  - An understanding of Nutanix core concepts and definitions
- These skills can be acquired by attending our Enterprise Cloud Administration (ECA) course, or through on-the-job experience by working on a Nutanix system for at least 6 months.
- GK9915 - Nutanix Enterprise Cloud Administration

### Testing and Certification

- Nutanix Certified Professional - Database Automation (NCP-DB)

## Content:

### 1: Introduction to Database Automation

- Understanding DBaaS
- Understanding NDB Terminology and Concepts
- The Nutanix Solution for DBaaS

### 2: Configuring and Operating NDB

- Understanding the NDB Workflow
- Installing and Configuring NDB
- Exploring the NDB Dashboard
- Creating Profiles
- Registering an Existing Database
- Provisioning a New Database
- Patching, Upgrading, and Scaling Databases
- Upgrading NDB

#### Hands-on Labs:

- Deploying NDB
- Configuring an NDB Instance
- Getting Started with a PostgreSQL Database
- Adjusting UI Timeout and Upgrading NDB
- Working with NDB Profiles
- Registering Existing Databases
- Provisioning, Patching, and Removing Databases
- Implementing RBAC and Managing Users
- Using Tags for Database Inventory Management
- Working with Alerts
- Generating and Downloading a Diagnostics Bundle
- Enabling NDB Multi-Cluster
- Provisioning a Database to a New Cluster
- Provisioning a HA Database
- Creating SLAs
- Cloning Databases
- Creating and Replicating Snapshots
- Restoring a Database from a Snapshot

### 3: Administering and Monitoring NDB

- Implementing RBAC and Managing Users
- Managing Multiple Clusters with NDB
- Working with Maintenance Windows
- NDB High Availability
- Using Tags for Database Inventory Management
- Working with Alerts
- Investigating Issues with NDB

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### 4: Protecting and Restoring Databases

- Understanding Time Machine
- Managing SLAs Schedules
- Preparing for Snapshot Creation, Replication, and Deletion
- Cloning Databases
- Database Log Management
- Refreshing and Removing Clones
- Restoring Source Databases

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## Further Information:

For More information, or to book your course, please call us on 00 971 4 446 4987

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